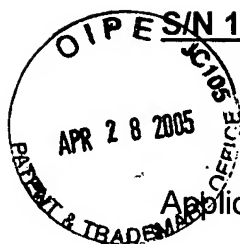


LFW

PATENT



S/N 10/655,093

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yutaka UMEHARA et al.

Examiner: 1651

Serial No.: 10/655,093

Group Art Unit: Deborah K. WARE

Filed: September 04, 2003

Docket: 67789-278

Title: FREEZE-DRIED TISSUE AS A MATRIX FOR CELL CULTURE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the referenced materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Please charge the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p), and any additional fees, or credit any overpayment to Deposit Account No. 04-0258.

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

04/29/2005 BABRAH1 00000009 040258 10655093

01 FC:1806 180.00 DA

**INFORMATION DISCLOSURE STATEMENT**

Serial No : 10/655,093

Filing Date: September 04, 2003

Title: FREEZE-DRIED TISSUE AS A MATRIX FOR CELL CULTURE

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**Page 2**

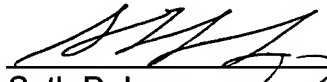
Dkt: 67789-278

In accordance with the Patent and Trademark Office's waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i), copies of the listed U.S. patents are not enclosed because the current application has been filed after June 30, 2003.

April 26, 2005

Respectfully submitted,  
DAVIS WRIGHT TREMAINE LLP

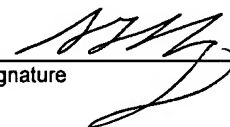
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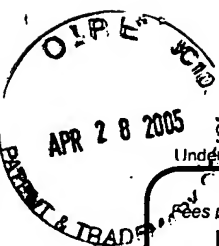
  
Seth D. Levy  
Registration No. 44,869

865 South Figueroa Street  
Suite 2400  
Phone: (213) 633-6869  
Facsimile: (213) 633-6899

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 26<sup>th</sup> day of April, 2005.

Seth D. Levy

  
Signature



Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **180.00****Complete if Known**

Application Number	10/655,093
Filing Date	September 4, 2003
First Named Inventor	Yutaka UMEHARA
Examiner Name	Deborah K. Ware
Art Unit	1651
Attorney Docket No.	67789-278

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: **04-0258** Deposit Account Name: **Davis Wright Tremaine LLP**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 20 or HP = _____ x _____ = _____						

HP = highest number of total claims paid for, if greater than 20

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		
_____ - 3 or HP = _____ x _____ = _____					

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

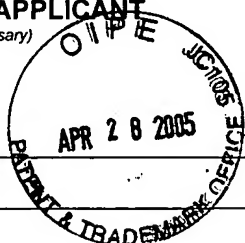
**Fees Paid (\$)****180.00****SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	44,869	Telephone	(213) 633-6869
Name (Print/Type)	Seth D. Levy	Date	April 26, 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>10/655,093</td> </tr> <tr> <td>Filing Date</td> <td>September 4, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Yutaka UMEHARA</td> </tr> <tr> <td>Group Art Unit</td> <td>1651</td> </tr> <tr> <td>Examiner Name</td> <td>Deborah K. WARE</td> </tr> </table>	Application Number	10/655,093	Filing Date	September 4, 2003	First Named Inventor	Yutaka UMEHARA	Group Art Unit	1651	Examiner Name	Deborah K. WARE
Application Number	10/655,093										
Filing Date	September 4, 2003										
First Named Inventor	Yutaka UMEHARA										
Group Art Unit	1651										
Examiner Name	Deborah K. WARE										
Sheet 1 of 1	Attorney Docket No: 67789-278										



US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US-2002/0183857	12/05/2002	Yang	
	US-2003/0064056	04/03/2003	Badylak, et al.	
	US-5,696,998	12/09/1997	Badylak, et al.	
	US-5,866,414	02/02/1999	Badylak, et al.	
	US-6,251,673	06/26/2001	Winkler	
	US-6,264,992B1	07/24/2001	Voytik-Harbin, et al.	
	US-6,376,244B1	04/23/2002	Atala	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

EXAMINER

DATE CONSIDERED

-4